



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MEMORANDUM

Subject: Sodium Chlorate Use Closure Memo (RED Case No. 4049)

From: Jacqueline Guerry, Sodium Chlorate Chemical Review Manager
Reregistration Branch 3
Special Review and Reregistration Division

To: Sodium Chlorate RED Team Members

Date: August 5, 2004

The purpose of this memo is to provide use information that will be incorporated into the preliminary risk assessments for sodium chlorate. Based on information presented at the May 18, 2004, SMART Meeting, subsequent discussions with the registrants (Drexel Chemical Co., EKA Chemicals Inc., ERCO Worldwide, Moore Agricultural, and NEXEN Chemicals USA), as well as the Agency's review of product labels, this memorandum and the attached usage tables (Attachments A, B, C and D) act as a guide as the Agency prepares for the reregistration of sodium chlorate. Should new use information become available during the development of the preliminary risk assessments, please inform me so that I can coordinate this information with the entire team. This will help the Program have consistent assessments for this chemical.

Uses and Formulations

Although sodium chlorate is primarily used to bleach pulp and paper, a small percentage of what is manufactured (less than 2 percent) is registered as a pesticide for herbicidal and antimicrobial uses. Sodium chlorate is considered phytotoxic and is used as a defoliant and a desiccant on agricultural crops, as well as for spot treatments to control weeds on roadsides and residential properties. Please see the attached Screening Level Estimates of Agricultural Use of Sodium Chlorate (Attachment A), Sodium Chlorate Usage Table (Attachment B), Table A2: Food/Feed Use Patterns Summary for Sodium Chlorate (Attachment C), and Table A3: Non-Food/Non-Feed Use Patterns Summary for Sodium Chlorate (Attachment D) for a list of the registered pesticide uses supported for reregistration, and the corresponding use patterns. According a June 20, 2004 e-mail correspondence from the task force, the registrants do not intend to support the residential herbicidal uses of sodium chlorate, however, as of the date of this memo, a Request for Voluntary Cancellation has not been received.

Sodium chlorate is also used as an antimicrobial pesticide in water systems; it is used as a

precursor in chlorine dioxide generation; chlorine dioxide generated from sodium chlorate is then added to water through a closed system process to treat the following sites:

- agricultural drainage systems
- commercial/industrial water cooling systems
- human drinking water systems
- industrial processing water
- lakes/ponds/reservoirs (with human or wildlife use)
- lakes/ponds/reservoirs (without human or wildlife use)
- pasteurize/warmer/cannery cooling water systems
- pulp/paper mill water systems
- secondary oil recovery injection water

Roles and Responsibilities

Sodium chlorate and sodium chlorite are both used in the same manner to generate chlorine dioxide; while SRRD is managing the sodium chlorate RED, AD is managing the sodium chlorite/chlorine dioxide RED. The antimicrobial uses of sodium chlorate will result in water exposure to chlorine dioxide and possible occupational exposure to sodium chlorate itself. Chlorine dioxide resulting from the use of sodium chlorate (antimicrobial or otherwise) will be considered in the AD sodium chlorite/chlorine dioxide RED. The occupational exposure to sodium chlorate used to generate chlorine dioxide for antimicrobial uses will be assessed by AD using the same methods as the sodium chlorite assessment, but will be described in the Sodium Chlorate (SRRD) RED. The roles and responsibilities of the two RED teams have been defined and agreed upon below:

	Sodium Chlorate (SRRD)		Chlorine Dioxide/ Sodium Chlorite (AD)
Toxicology Assessment	HED		AD
Residue Chemistry Assessment	HED		AD
Dietary Assessment (Food)	HED		AD
Drinking Water Assessment	<u>Parent</u> EFED/HED	<u>Degradates</u> EFED-edwc AD- RED	AD (combined)

Aggregate Assessment	HED		AD (if needed)
Occupational/Residential Exposure Assessment	<u>Agricultural Use</u> HED	<u>Antimicrobial Use</u> AD-assessment SRRD- RED	AD
Environmental Fate and Ecological Effects Assessment	EFED		AD

It is our understanding that the information provided in this memo will allow EFED and HED to complete their risk assessments by December 2004. Please let us know as soon as possible if there are any changes to these dates. If you have any questions or concerns regarding this memorandum, please contact me at (703) 305-0024.

Attachments:

Attachment A: Screening Level Estimates of Agricultural Uses of Sodium Chlorate

Attachment B: Sodium Chlorate Usage Table

Attachment C: Table A2: Food/Feed Use Patterns Summary for Sodium Chlorate

Attachment D: Table A3: Non-Food/Non-Feed Use Patterns Summary for Sodium Chlorate

Attachment A

Screening Level Estimates of Agricultural Uses of Sodium Chlorate Sorted by Descending Quantity of Sodium Chlorate to Each Group

	Lbs.	Pounds of Active Ingredient (a.i.)	Percentage of Crop Treated	Treated Maximum
1	Cotton	2,200,000	5	10
2	Sunflowers (CA only)	100,000		
3	Rice	70,000	<1	<2.5
4	Safflower (CA only)	60,000		
5	Pepper, Spice (CA only)	30,000		
6	Sudangrass (CA only)	20,000		
7	Sorghum (CA only)	10,000		
8	Corn (CA only)	10,000		
9	Beans/Peas, Dry (CA only)	7,000		
10	Wheat (CA only)	4,000		
11	Peppers	3,000	<1	<2.5
12	Beans (CA only)	2,000		
13	Beans, Green (CA only)	2,000		
14	Potatoes	1,000	<1	<2.5
15	Alfalfa (CA only)	1,000		
16	Soybeans (CA only)	1,000		
17	Almonds (CA only)	<500		
18	Barley, Forage (CA only)	<500		
19	Grapes (CA only)	<500		
20	Lettuce (CA only)	<500		
21	Onions (CA only)	<500		
22	Prunes & Plums (CA only)	<500		
23	Pumpkins (CA only)	<500		
24	Soybeans Grain (CA only)	<500		
25	Strawberries (CA only)	<500		
26	Sugar Beets (CA only)	<500		
27	Tomatoes (CA only)	<500		
28	Walnuts (CA only)	<500		

All numbers rounded.

'<500' indicates less than 500 pounds of active ingredient.

'<2.5' indicates less than 2.5 percent of crop treated.

'(CA only)' indicates information was available only for California. Use of sodium chlorate on this crop may also have occurred in other states.

Attachment B

Sodium Chlorate Usage Table- Draft RED Appendix A

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
Food/Feed Crops Uses							
Agricultural Fallow/Idleland							
Foliar -Aircraft, Ground	Soluble Concentrate (SC/L)	6 lb/A [CA92001700]	NS	NS	NS	12h	
Beans- Dried Type							
Foliar -Low Volume (LV) Spray, Spray -Aircraft, ground, LV ground sprayer	SC/L	6 lb/A [005905-00118]	NS	NS	7	12h	Do not feed treated foliage to livestock or graze treated areas. Do not graze or feed fodder and forage to livestock. Geographic disallowable: CA
Preharvest -Sprayer -Aircraft/Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	
Corn							
Foliar -LV Sprayer -Aircraft	SC/L	6 lb/A [019713-00486]	NS	NS	14	12h	Geographic disallowable: CA
Preharvest -Sprayer -Aircraft	SC/L	7.5 lb/A [049517-00003]	NS	NS	14	12h	

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
Cotton							
Foliar -LV Spray -Aircraft	SC/L	5.006 lb/A [019713-00486] NS Assume 4.5 lb/A ¹ [007001-00046]	2	NS	7	12h	Make only 2 applications ² .
Foliar -LV spray -LV ground sprayer	SC/L	NS Assume 4.5 lb/A [007001-00046]	2	NS	7	12h	
Foliar -LV spray -Ground	SC/L	5.265 lb/A [010163-00122] NS Assume 4.5 lb/A [007001-00335]	2	NS	7	12h	
Foliar -Spray -Ground	SC/L	5.006 lb/A [019713-00486] NS Assume 4.5 lb/A [007001-00335]	2	NS	7	12h	
Foliar -Spray -Aircraft	SC/L	4.6992 lb/4 gal [007001-00046]	2	NS	7	12h	

¹Maximum application rate of 4.5 lb/A is assumed based on conversations with representatives from the Cotton Council.

²The label language is vague, and does not specify if the applications are per season or crop cycle. SRRD is assuming that the 2 applications are per season due to the nature of sodium chlorate used on cotton as a defoliant.

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
Foliar -Spray -LV ground sprayer	SC/L	4.6992 lb/20 gal [007001-00046]	2	NS	7	12h	
Preharvest -Spray -Aircraft, Ground	SC/L	7.5 lb/A [049517-00003]	2	NS	7	12h	
Preharvest -LV sprayer (dilute and concentrate) -LV ground sprayer, Aircraft	SC/L	4.706 lb/A [049517-00005]	2	NS	7	4h	
Cucurbit Vegetables							
Foliar -LV spray -Aircraft	SC/L	6.1875 lb/A [019713-00486]	NS	NS	NS	12h	14 day(s) pregrazing interval. Do not graze treated areas. Grown for seed only.
Foliar -Spray -Ground	SC/L	6 lb/A [019713-00486]	NS	NS	NS	12h	
Flax							
Foliar -LV spray, Spray -Aircraft, Ground	SC/L	6 lb/A [019713-00486]	NS	NS	7	12h	14 day(s) prefeeding interval.
Preharvest -Spray -Aircraft, Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
Gourds							
Preharvest -Aircraft, Ground	SC/L	6 lb/A [GA89000700]	NS	NS	NS	NS	Do not graze or feed fodder and forage to livestock. Geographic allowable: GA
Guar							
Foliar -LV spray, spray -Aircraft, LV ground spray, ground	SC/L	6 lb/A [005905-00118]	NS	NS	7	12h	Do not graze or feed fodder and forage to livestock. Geographic disallowable: CA
Preharvest -Spray -Aircraft, Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	
Peas-Southern							
Foliar -LV spray, spray -Aircraft, LV ground sprayer	SC/L	6 lb/A [005905-00118]	NS	NS	7	12h	Do not graze or feed fodder and forage to livestock.
Preharvest -Spray -Aircraft, Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	
Pepper (Chili Type)							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
Foliar -LV spray -LV ground spray	SC/L	7.5 lb/A [005905-00118]	NS	NS	10	12 h	Do not graze treated areas or feed crop refuse to livestock. Geographic disallowable: CA
Foliar -Spray -Ground	SC/L	7.5 lb/A [005905-00461]	NS	NS	10	12 h	
Foliar -LV spray -Aircraft, Ground	SC/L	8.775 lb/A [011656-00090]	NS	NS	10	12h	
Preharvest -Spray -Aircraft, Ground	SC/L	12.5 lb/A [049517-00003]	NS	NS	10	12h	
Potato- White/Irish							
Foliar -LV Spray, Spray -Aircraft, Ground	SC/L	6 lb/A [019713-00265]	NS	NS	10	12h	Do not graze livestock in treated areas.
Preharvest -Spray -Aircraft, Ground	SC/L	12.5 lb/A [049517-00003]	NS	NS	7	12h	
Rice							
Foliar -LV Spray -Aircraft	SC/L	6 lb/A [019713-00486]	NS	NS	7	12h	

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
Preharvest -Spray -Aircraft	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	
Safflower (unspecified)							
Foliar -LV Spray, Spray -Aircraft, LV ground sprayer, Ground	SC/L	6 lb/A [019713-00486]	NS	NS	7	12hr	Do not feed forage from treated areas. Do not feed treated foliage to livestock or graze treated areas.
Preharvest -Spray -Aircraft, Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	Do not graze or feed fodder and forage to livestock. Do not graze treated areas. Geographic disallowable: CA
Sorghum							
Foliar -LV Spray, Spray -LV ground sprayer, Aircraft, Sprayer, Ground	SC/L	6 lb/A [019713-00486]	NS	NS	7	12h	Do not feed gin trash or treated foliage to livestock. Do not graze livestock in treated areas.
Preharvest -Spray -Aircraft, Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	Do not graze treated areas or feed crop refuse to livestock.
Soybeans (unspecified)							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
Foliar -LV Spray, Spray -Aircraft, LV ground sprayer, Ground	SC/L	6 lb/A [019713-00486]	NS	NS	7	12h	Do not feed treated foliage to livestock or graze treated areas. Do not graze or feed fodder and forage to livestock. Geographic disallowable: CA
Preharvest -Spray -Aircraft, Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	
Preharvest -Spray -Ground	SC/L	6 lb/A [009779-00305]	NS	NS	7	12h	
Sunflower							
Foliar -LV Spray, Spray -Aircraft, LV ground sprayer, Ground	SC/L	6 lb/A [019713-00486]	NS	NS	7	12h	Do not feed forage from treated areas. Do not feed treated forage to livestock Do not graze or feed fodder and forage to livestock. Do not graze treated areas. Geographic disallowable: CA
Preharvest -Spray -Aircraft. Ground	SC/L	7.5 lb/A [049517-00003]	NS	NS	7	12h	
Non-Food/Non-Feed Use							
Airport/Landing Fields							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Broadcast -Hand held spray wand, Hand-carried & Power granule applicator	Granular (G)	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12h	Groundwater restriction.
When needed -Broadcast -Ground	Pelleted/ Tableted (P/T)	1.393 lb/1K sq ft [000769-00978]	NS	NS	NS	NS	
Commercial/Institutional/Industrial Premise/Equipment (Outdoor)							
When needed -Spot Treatment, Spray -Knapsack sprayer, Power Sprayer	SC/L	1.707 lb/1K sq ft [007701-00034]	NS	NS	NS	NS	
Drainage Systems							
When needed -Broadcast -Hand held spray wand, Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12h	
When needed -Spray -Sprayer	SC/L	19.188 lb/1K sq ft [011440-00003]	NS	NS	NS	12h	
Fencerows/Hedgerows							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Broadcast -Ground	P/T	1.393 lb/1K sq ft	NS	NS	NS	12h	Do not apply to sandy soils.
When needed -Broadcast -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [033560-00048]	NS	NS	NS	12h	
Household/Domestic Dwellings Outdoor Premises							
When needed -Edging & Spot treatment -Sprayer, Trigger spray bottle	Ready to Use (RTU)	3.267 lb/1K sq ft [000228-00201]	NS	NS	NS	12h	Do not allow children or pets on treated areas until surfaces are dry. This pesticide is toxic to aquatic invertebrates.
When needed -Spray -Pump spray bottle	RTU	1 (L) ³ [007401-00085]	NS	NS	NS	12h	
Industrial Areas (Outdoor)							
When needed -Broadcast -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12h	Do not apply to sandy soils. Groundwater restriction.

³ Any (L) dosage is a label dosage that could not be converted to active ingredient due to a lack of data on label or in jacket.

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Broadcast -Ground	P/T	1.393 lb/1K sq ft [000769-00978]	NS	NS	NS	12h	
When needed -Spot treatment -Knapsack & Power sprayer	SC/L	1.707 lb/1K sq ft [007701-00034]	NS	NS	NS	12h	
Machinery (Non-food)							
When needed -Broadcast -Ground	P/T	1.393 lb/1K sq ft [000769-00978]	NS	NS	NS	NS	Do not apply to sandy soils. Groundwater restriction.
Non-Agricultural Land							
When needed -Spot treatment, spray -Knapsack & Power sprayer	SC/L	1.707 lb/1K sq ft [7701-34]	NS	NS	NS	NS	
Non-Agricultural Outdoor Building/Structures							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Spot & Edging treatment -Sprayer, Trigger spray bottle	RTU	3.267 lb/1K sq ft [000228-00201]	NS	NS	NS	12h	Do not allow children or pets on treated areas until surfaces are dry. Do not apply to sandy soils. Groundwater restriction. This pesticide is toxic to aquatic invertebrates.
When needed -Broadcast -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12h	
When needed -Broadcast -Ground	P/T	1.393 lb/1K sq ft [000769-00978]	NS	NS	NS	12h	
When needed -Spray -Pump spray bottle	RTU	1 (L) [007401-00085]	NS	NS	NS	12h	
When needed -Spray, Sprinkler -Sprinkler can, Power spray	SC/L SC/L	7.267 lb/1K sq ft [007401-00173]	NS	NS	NS	12h	
When needed -Spray -Sprayer	SC/L	19.188 lb/1K sq ft [011440-00003]	NS	NS	NS	12h	
Non-Agricultural Rights-of-Way/Fencerows/Hedgerows							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Spray, Sprinkler -Pressure sprayer, Sprinkler can	SC/L	7.267 lb/1K sq ft [007401-00173]	NS	NS	NS	NS	Do not allow children or pets on treated areas until surfaces are dry. Do not apply to sandy soils. Do not enter treated areas without protective clothing until sprays have dried.
When needed -Spray, Spot treatment -Knapsack & Power sprayer	SC/L	1.707 lb/1K sq ft [007701-00034]	NS	NS	NS	NS	Groundwater restriction. This pesticide is toxic to aquatic invertebrates. This pesticide is toxic to wildlife. This product is toxic to fish.
When needed -Spray -Sprayer	SC/L	19.188 lb/1K sq ft [011440-00003]	NS	NS	NS	NS	
When needed -Spray -Pump spray bottle	RTU	1 (L) [007401-00085]	NS	NS	NS	NS	
When needed -Ground spray -Sprayer	SC/L	3.5875 lb/1K sq ft [009754-00001]	NS	NS	NS	NS	

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Broadcast -Ground	P/T	1.393 lb/1K sq ft [000769-00978]	NS	NS	NS	NS	
When needed -Broadcast -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	NS	
When needed -Edging & Spot treatment -Sprayer, Trigger spray bottle	RTU	3.267 lb/1K sq ft [000228-00201]	NS	NS	NS	NS	
Non-Agricultural Uncultivated Area/Soil							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Edging & Spot treatment -Sprayer	RTU	3.267 lb/1K sq ft [000228-00201]	NS	NS	NS	NS	Do not allow children or pets on treated areas until surfaces are dry. Do not apply to sandy soils. Do not enter treated areas without protective clothing until dust has settled. Do not enter treated areas without protective clothing until sprays have dried. Groundwater restriction. This pesticide is toxic to aquatic invertebrates.
When needed -Broadcast	P/T	5.48 lb/1K sq ft [033560-00043]	NS	NS	NS	NS	
When needed -Broadcast -Ground	P/T	1.393 lb/1K sq ft [000769-00978]	NS	NS	NS	NS	
When needed -Broadcast -Granule applicator	G	240 lb/A [019713-00202]	NS	NS	NS	NS	
When needed -Broadcast -Hand-carried & Power granule applicator	G	9 lb/1K sq ft [033560-00046]	NS	NS	NS	NS	
When needed -Ground spray -Sprayer	SC/L	3.5875 lb/1K sq ft [009754-00001]	NS	NS	NS	NS	
When needed -Spray -Sprayer	SC/L	19.188 lb/1K sq ft [011440-00003]	NS	NS	NS	NS	
Ornamental Lawns & Turf							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Broadcast -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	NS	
When needed -Edging treatment -Pump spray bottle	RTU	1 (L) [007401-00085]	NS	NS	NS	NS	
Paths/Patios							
When needed -Edging treatment, Spot treatment -Sprayer, Trigger spray bottle	RTU	3.267 lb/1K sq ft [000228-00201]	NS	NS	NS	12	Do not allow children or pets on treated areas until surfaces are dry. This pesticide is toxic to aquatic invertebrates.
When needed -Broadcast -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12	
When needed -Spray, -Pressure sprayer	SC/L	2.2 lb/1K sq ft [000690-00044]	NS	NS	NS	12	
When needed -Spray -Hand held & Power sprayer	SC/L	5 lb/1K sq ft [005887-00046]	NS	NS	NS	12	

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Spray -Pump spray bottle	RTU	1 (L) [007401-00085]	NS	NS	NS	12	
When needed -Spray, Sprinkler -Power spray, Sprinkler can	SC/L	7.267 lb/1K sq ft [007401-00173]	NS	NS	NS	12	
Paved Areas (Private Roads/Sidewalks)							
When needed -Spray, Sprinkler -Pressure spray, Sprinkler can, Power Spray	SC/L	7.267 lb/1K sq ft [007401-00173]	NS	NS	NS	12	Do not allow children or pets on treated areas until surfaces are dry. This pesticide is toxic to aquatic invertebrates. This pesticide is toxic to wildlife. This product is toxic to fish.
When needed -Spray -Sprayer, Hand held	SC/L	5 lb/1K sq ft [000228-00133] [005887-00046]	NS	NS	NS	12	
When needed -Spray -Pump spray bottle	RTU	1 (L) [007401-00085]	NS	NS	NS	12	
When needed -Broadcast, Prepaving treatment -Hand-carried & Power granule applicator, Injection equipment, Sprayer	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12	

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Prepaving treatment -Low pressure	SC/L	1.067 lb/1K sq ft [007701-00034]	NS	NS	NS	12	
When needed -Prepaving treatment -Spreader	G	5.4 lb/1K sq ft [033560-00047]	NS	NS	NS	12	
When needed -Prepaving treatment -Power sprayer, Sprinkler can	SC/L	14.607 lb/1K sq ft [007401-00087]	NS	NS	NS	12	
When needed -Edging & Spot treatment -Sprayer, Trigger spray bottle	RTU	3.267 lb/1K sq ft [000228-00201]	NS	NS	NS	12	
Recreational Areas							
When needed -Spray, Sprinkle -Pressure sprayer, Sprinkler can	SC/L	2.2 lb/1K sq ft [000690-00044]	NS	NS	NS	12	Do not apply to sandy soils.
When needed -Spray, -Hand held & Power sprayer	SC/L	5 lb/1K sq ft [005887-00046]	NS	NS	NS	12	

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Broadcast, Prepaving treatment -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12	
When needed -Broadcast -Ground	P/T	1.393 lb/1K sq ft [066222-00023]	NS	NS	NS	12	
When needed -Prepaving treatment -Power sprayer, Sprinkler can	SC/L	14.607 lb/1K sq ft [000690-00044]	NS	NS	NS	12	
When needed -Spot treatment -Knapsack sprayer	SC/L	1.707 lb/1K sq ft [007701-00034]	NS	NS	NS	12	
Sewage System							
When needed -Broadcast, Prepaving treatment -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-00048]	NS	NS	NS	12	
Urban Areas							

Application Timing Application Type Application Equipment	Formulation(s)	Maximum Single Application Rate, ai [EPA Reg. No.]	Maximum Number of Applications Per Season	Maximum Seasonal Rate, ai	PHI Days	REI	Use Directions and Limitations
When needed -Broadcast, Prepaving treatment -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [033560-00048]	NS	NS	NS	12	
Wood Protection Treatment to Buildings/Products Outdoors							
When needed -Broadcast, Prepaving treatment -Hand-carried & Power granule applicator	G	12 lb/1K sq ft [000690-0048]	NS	NS	NS	NS	

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
AGRICULTURAL FALLOW/IDLELAND	Do not apply through any type of irrigation system. Do not contaminate water, food or feed. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.					
Foliar Spray Aircraft/Ground	6 lb A	NS	NS NS	NS	12 h	
BEANS, DRIED-TYPE	7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not feed treated foliage to livestock or graze treated areas. Do not graze or feed fodder and forage to livestock. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Geographic disallowable: CA					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	6 lb A	NS	NS NS	7	12 h	
Preharvest Spray	7.5 lb A	NS	NS NS	NS	12 h	

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
Aircraft/Ground						
CORN (UNSPECIFIED)	14 day(s) prefeeding interval. 14 day(s) pregrazing interval. 14 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Geographic disallowable: CA					
Foliar Low volume spray (concentrate) Aircraft	6 lb A	NS	NS NS	NS	12 h	
Preharvest Spray Aircraft	7.5 lb A	NS	NS NS	NS	12 h	
COTTON (UNSPECIFIED)	7 day(s) preharvest interval. Do not apply directly to water or wetlands. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water.					

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate food or feed. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not feed gin trash or treated foliage to livestock. Do not feed treated seed to livestock. Do not graze livestock in treated areas. Do not graze treated areas or feed crop refuse to livestock. Do not graze treated areas. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of lakes, streams, and ponds. Make only 2 applications.					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	5.265 lb A 5.28 lb/20 gal 5.28 lb/4 gal	NS	NS NS	30	12 h	Geographic allowable: AZ Geographic disallowable: AZ
Preharvest Defoliation. Use Pesticide Type code "42"/High volume spray (dilute)/Low volume spray (concentrate)/Spray Aircraft/Ground/High volume ground sprayer/Low volume ground sprayer	7.5 lb A	NS	NS NS	NS	4 h	
CUCURBIT VEGETABLES	14 day(s) pregrazing interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply through any type of irrigation system.					

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not graze treated areas. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Grown for seed only.					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground	6.1875 lb A	NS	NS NS	NS	12 h	
FLAX	14 day(s) prefeeding interval. 14 day(s) pregrazing interval. 7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Geographic disallowable: CA					

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground	6 lb A	NS	NS NS	NS	12 h	
Preharvest Spray Aircraft/Ground	7.5 lb A	NS	NS NS	NS	12 h	
GOURDS	Do not graze or feed fodder and forage to livestock. Geographic allowable: GA					
Preharvest Defoliation. Use Pesticide Type code "42" Aircraft/Ground	6 lb A	NS	NS NS	NS	NS	
GUAR	7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not graze or feed fodder and forage to livestock. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Geographic disallowable: CA					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	6 lb A	NS	NS NS	NS	12 h	

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
Preharvest Spray Aircraft/Ground	7.5 lb A	NS	NS NS	NS	12 h	
PEAS, SOUTHERN	7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not graze or feed fodder and forage to livestock. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	6 lb A	NS	NS NS	NS	12 h	
Preharvest Spray Aircraft/Ground	7.5 lb A	NS	NS NS	NS	12 h	
PEPPER (CHILI TYPE)	10 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur.					

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not graze treated areas or feed crop refuse to livestock. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of lakes, streams, and ponds. Geographic disallowable: CA					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	8.775 lb A	NS	NS NS	NS	12 h	
Preharvest Spray Aircraft/Ground	12.5 lb A	NS	NS NS	NS	12 h	
POTATO, WHITE/IRISH	10 day(s) preharvest interval. 7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction)					

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Do not feed treated forage to livestock. Do not graze livestock in treated areas. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground	6 lb A	NS	NS NS	NS	12 h	
Preharvest Spray Aircraft/Ground	12.5 lb A	NS	NS NS	NS	12 h	
RICE	10 day(s) preharvest interval. 14 day(s) prefeeding interval. 14 day(s) pregrazing interval. 7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.					
Foliar Low volume spray (concentrate)	6 lb A	NS	NS NS	NS	12 h	

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
Aircraft						
Preharvest Desiccation. Use Pesticide Type code "43"/Spray Aircraft	7.5 lb A	NS	NS NS	NS	12 h	
SAFFLOWER (UNSPECIFIED)	7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not feed forage from treated areas. Do not feed treated foliage to livestock or graze treated areas. Do not graze or feed fodder and forage to livestock. Do not graze treated areas. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Geographic disallowable: CA					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	6 lb A	NS	NS NS	NS	12 h	
Preharvest Desiccation. Use Pesticide Type code "43"/Spray Aircraft/Ground	7.5 lb A	NS	NS NS	NS	12 h	

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
SORGHUM	10 day(s) preharvest interval. 14 day(s) prefeeding interval. 14 day(s) pregrazing interval. 7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not feed gin trash or treated foliage to livestock. Do not graze livestock in treated areas. Do not graze treated areas or feed crop refuse to livestock. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of lakes, streams, and ponds.					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer/Sprayer	6 lb A	NS	NS NS	NS	12 h	
Preharvest Desiccation. Use Pesticide Type code "43"/Spray Aircraft/Ground	7.5 lb A	NS	NS NS	NS	12 h	
SOYBEANS (UNSPECIFIED)	7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.					

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not feed treated foliage to livestock or graze treated areas. Do not graze or feed fodder and forage to livestock. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Geographic disallowable: CA					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	6 lb A	NS	NS NS	NS	12 h	
Preharvest Desiccation. Use Pesticide Type code "43"/Spray Aircraft/Ground	(L) 7.5 lb A	NS	NS NS	NS	12 h	
SUNFLOWER	14 day(s) prefeeding interval. 14 day(s) pregrazing interval. 7 day(s) preharvest interval. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply when drift is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food or feed.					

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TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) Do not feed forage from treated areas. Do not feed treated forage to livestock. Do not graze or feed fodder and forage to livestock. Do not graze treated areas. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Geographic disallowable: CA					
Foliar Low volume spray (concentrate)/Spray Aircraft/Ground/Low volume ground sprayer	6 lb A	NS	NS NS	NS	12 h	
Preharvest Desiccation. Use Pesticide Type code "43"/Spray Aircraft/Ground	7.5 lb A	NS	NS NS	NS	12 h	

Attachment C

TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

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PRODUCT NUMBERS CONTAINED IN THIS REPORT

005905-00087, 005905-00118, 005905-00461, 007001-00046, 007001-00335, 008867-00039, 009779-00142, 009779-00305, 010163-00122, 010951-00007, 011656-00090, 019713-00012, 019713-00085, 019713-00265, 019713-00388, 019713-00486, 034704-00695, 049517-00001, 049517-00003, 049517-00005, CA92001700, GA89000700

HOMEOWNER PRODUCTS CONTAINED IN THIS REPORT

None

Attachment C

TABLE A2. FOOD/FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

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HEADER ABBREVIATIONS

Site Name - The site name refers to the entity (crop, building, surface or article) where a pesticide is applied and/or which is being protected.

Limitations - Precautionary statements related to the use of the product(s).

Application Timing - The timing of pesticide application and is the primary application sort (not aggregated).

Application Type - The type of pesticide application (aggregated).

Application Equipment - The equipment used to apply pesticide (aggregated).

Max. Single Appl. Rate to a Single Site - Maximum Dose for a single application to a single site. System calculated.

Max Seasonal Rate - The maximum amount of pesticide that can be applied to a site in one growing season (/cc) and during the span of one year (/yr).

Max. # Apps/cc & yr - Maximum Number of Applications per crop cycle and per year.

M R I - Minimum Retreatment Interval (days) (at any rate). The minimum interval between pesticide application (days).

R E I - ReEntry Interval - The minimum amount of time that must elapse before workers can reenter a treated area.

PHI/PGI/PSI Use Limitations (May not apply to all Reg.#s) - Preharvest/Pregrazing/Preslaughter Interval use limitations pertinent to the application.

Current As Of: - The label data for the listed products in this report is current of this date.

ABBREVIATIONS

AN - As needed

NA - Not Applicable

NS - Not Specified (on label)

(L) - The dosage information provided is from the label in terms of product (e.g., ounces, gallons, or pounds of the product) because there was insufficient information (e.g., missing density, area, or active ingredient percentages) to provide converted dosage information. This report provides active ingredient percentage in the product for the reported chemical for all unconverted label dosage information if this information is available. This active ingredient percentage information is displayed next to the form code abbreviations (e.g., 80% WP).

APPLICATION RATE

cwt : Hundred Weight

nnE-xx : nn times (10 power -xx), for instance, "1.234E-04" is equivalent to ".0001234"

End of Report

For questions and comments please contact the OPP Label Data Team through e-mail.

Attachment D

TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
AIRPORTS/LANDING FIELDS	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply to sandy soils. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal. Groundwater restriction.					
When needed Broadcast Ground/Hand held spray wand/Hand-carried granule applicator/Power granule applicator	12 lb 1K sq.ft	NS	NS NS	365	12 h	
COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIPMENT (OUTDOOR)	Do not contaminate water, food or feed. Keep out of lakes, streams, and ponds.					
When needed Spot treatment/Spray Knapsack sprayer/Power sprayer	1.707 lb 1K sq.ft	NS	NS NS	NS	NS	
DRAINAGE SYSTEMS	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal.					
When needed Broadcast/Spray Hand held spray wand/Hand-carried granule applicator/Power granule applicator/Sprayer	19.188 lb 1K sq.ft	NS	NS NS	365	12 h	

Attachment D

TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
FENCEROWS/HEDGEROWS	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply to sandy soils. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal. Groundwater restriction.					
When needed Broadcast Ground/Hand-carried granule applicator/Power granule applicator	12 lb 1K sq.ft	NS	NS NS	365	12 h	
HOUSEHOLD/DOMESTIC DWELLINGS OUTDOOR PREMISES	Do not allow children or pets on treated areas until surfaces are dry. Do not apply directly to water. This pesticide is toxic to aquatic invertebrates.					
When needed Edging treatment/Spot treatment/Spray Pump spray bottle/Sprayer/Trigger spray bottle	(L) 3.267 lb 1K sq.ft	NS	NS NS	21	NS	
INDUSTRIAL AREAS (OUTDOOR)	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply to sandy soils. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Groundwater restriction. Keep out of lakes, streams, and ponds.					
When needed Broadcast/Spot treatment/Spray Ground/Hand-carried granule applicator/Knapsack sprayer/Power	12 lb 1K sq.ft	NS	NS NS	365	12 h	

Attachment D

TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
granule applicator/Power sprayer						
INDUSTRIAL WASTE DISPOSAL SYSTEMS	Do not contaminate water, food, or feed by storage or disposal. Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority (POTW). Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction) This pesticide is toxic to amphibians. This pesticide is toxic to aquatic invertebrates. This product is toxic to fish.					
Continuous feed (initial) Water treatment (recirculating system) Not on label	8000 gal A	NS	NS NS	NS	NS	
MACHINERY (NON-FOOD)	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply to sandy soils. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water, food, or feed by storage or disposal. Groundwater restriction.					
When needed Broadcast Ground	1.393 lb 1K sq.ft	NS	NS NS	NS	NS	
NONAGRICULTURAL OUTDOOR BUILDINGS/STRUCTURES	Do not allow children or pets on treated areas until surfaces are dry. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply to sandy soils. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal.					

Attachment D

TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Groundwater restriction. This pesticide is toxic to aquatic invertebrates.					
When needed Broadcast/Edging treatment/Spot treatment/Spray/Sprinkle Ground/Hand-carried granule applicator/Power granule applicator/Power sprayer/Pump spray bottle/Sprayer/Sprinkler can/Trigger spray bottle	(L) 19.188 lb 1K sq.ft	NS	NS NS	21	12 h	
NONAGRICULTURAL RIGHTS-OF-WAY/FENCEROWS/HEDGEROWS	Do not allow children or pets on treated areas until surfaces are dry. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply to sandy soils. Do not apply when drift is likely to occur. Do not apply where runoff is likely to occur. Do not contaminate food or feed. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Do not enter treated areas without protective clothing until sprays have dried. Groundwater restriction. Keep out of lakes, streams, and ponds. This pesticide is toxic to aquatic invertebrates. This pesticide is toxic to wildlife. This product is toxic to fish.					
When needed Broadcast/Edging treatment/Ground spray/Spot treatment/Spray/Sprinkle Ground/Hand-carried granule applicator/Knapsack sprayer/Power granule applicator/Power sprayer/Pressure sprayer/Pump spray bottle/Sprayer/Sprinkler can/Trigger spray bottle	(L) 19.188 lb 1K sq.ft	NS	NS NS	21	NS	

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TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
NONAGRICULTURAL UNCULTIVATED AREAS/SOILS	Do not allow children or pets on treated areas until surfaces are dry. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply to sandy soils. Do not apply when drift is likely to occur. Do not apply where runoff is likely to occur. Do not contaminate food or feed. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal. Do not enter treated areas without protective clothing until dust has settled. Do not enter treated areas without protective clothing until sprays have dried. Groundwater restriction. This pesticide is toxic to aquatic invertebrates.					
When needed Broadcast/Edging treatment/Ground spray/Spot treatment/Spray Granule applicator/Ground/Hand-carried granule applicator/Not on label/Power granule applicator/Sprayer/Trigger spray bottle	19.188 lb 1K sq.ft 240 lb A	NS	NS NS	21	NS	
ORNAMENTAL LAWNS AND TURF	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal.					
When needed Broadcast/Edging treatment Hand-carried granule applicator/Power granule applicator/Pump spray bottle	(L) 12 lb 1K sq.ft	NS	NS NS	NS	NS	
PATHS/PATIOS	Do not allow children or pets on treated areas until surfaces are dry.					

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TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. This pesticide is toxic to aquatic invertebrates.					
When needed Broadcast/Edging treatment/Spot treatment/Spray/Sprinkle Hand held sprayer/Hand-carried granule applicator/Power granule applicator/Power sprayer/Pressure sprayer/Pump spray bottle/Sprayer/Sprinkler can/Trigger spray bottle	(L) 12 lb 1K sq.ft	NS	NS NS	21	12 h	
PAVED AREAS (PRIVATE ROADS/SIDEWALKS)	Do not allow children or pets on treated areas until surfaces are dry. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Keep out of lakes, streams, and ponds. This pesticide is toxic to aquatic invertebrates. This pesticide is toxic to wildlife. This product is toxic to fish.					
When needed Broadcast/Edging treatment/Prepaving treatment/Spot treatment/Spray/Sprinkle Hand held sprayer/Hand-carried granule applicator/Injection	(L) 14.607 lb 1K sq.ft	NS	NS NS	21	12 h	

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TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

SITE NAME	LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)	Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
equipment/Low pressure/Power granule applicator/Power sprayer/Pressure sprayer/Pump spray bottle/Sprayer/Spreader/Sprinkler can/Trigger spray bottle						
RECREATIONAL AREAS	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply to sandy soils. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food or feed. Do not contaminate water, food, or feed by storage or disposal. Groundwater restriction. Keep out of lakes, streams, and ponds.					
When needed Broadcast/Prepaving treatment/Spot treatment/Spray/Sprinkle Ground/Hand held sprayer/Hand-carried granule applicator/Knapsack sprayer/Power granule applicator/Power sprayer/Pressure sprayer/Sprinkler can	14.607 lb 1K sq.ft	NS	NS NS	365	12 h	
SEWAGE SYSTEMS	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal.					
When needed Broadcast Hand-carried granule applicator/Power granule applicator	12 lb 1K sq.ft	NS	NS NS	365	12 h	
URBAN AREAS	Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur.					

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TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

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SITE NAME		LIMITATIONS					
Application Timing (for any Reg.# at any rate) Application Type (for any Reg.# at any rate) Application Equipment (for any Reg.# at any rate)		Max. Single Appl. Rate to a Single Site	Max. Seasonal Rate	Max. # Apps/ cc & yr	M R I	R E I	PHI/PGI/PSI Use Limitations (May not apply to all Reg. #s)
		Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal.					
When needed Broadcast Hand-carried granule applicator/Power granule applicator		12 lb 1K sq.ft	NS	NS NS	365	12 h	
WOOD PROTECTION TREATMENT TO BUILDINGS/PRODUCTS OUTDOOR		Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not contaminate water intended for irrigation or domestic purposes. Do not contaminate water, food, or feed by storage or disposal.					
When needed Broadcast Hand-carried granule applicator/Power granule applicator		12 lb 1K sq.ft	NS	NS NS	NS	NS	
SITE TERM TOO GENERAL		Do not contaminate water, food or feed. Keep out of lakes, streams, and ponds.					
When needed Spot treatment/Spray Knapsack sprayer/Power sprayer		1.707 lb 1K sq.ft	NS	NS NS	NS	NS	

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TABLE A3. NON-FOOD/NON-FEED USE PATTERNS SUMMARY FOR Sodium chlorate (CASE 4049)

Current As Of: 04/19/2004

Printed On: 06/14/2004

PRODUCT NUMBERS CONTAINED IN THIS REPORT

000228-00133, 000228-00201, 000690-00044, 000690-00048, 000769-00978, 005887-00046, 007401-00085, 007401-00087, 007401-00173, 007701-00034, 009754-00001, 010707-00032, 011440-00003, 019713-00202, 033560-00043, 033560-00046, 033560-00047, 033560-00048, 053883-00097, 066222-00023

HOMEOWNER PRODUCTS CONTAINED IN THIS REPORT

000228-00133, 000228-00201, 005887-00046, 007401-00085, 007401-00087, 007401-00173

HEADER ABBREVIATIONS

Site Name - The site name refers to the entity (crop, building, surface or article) where a pesticide is applied and/or which is being protected.

Limitations - Precautionary statements related to the use of the product(s).

Application Timing - The timing of pesticide application and is the primary application sort (not aggregated).

Application Type - The type of pesticide application (aggregated).

Application Equipment - The equipment used to apply pesticide (aggregated).

Max. Single Appl. Rate to a Single Site - Maximum Dose for a single application to a single site. System calculated.

Max Seasonal Rate - The maximum amount of pesticide that can be applied to a site in one growing season (/cc) and during the span of one year (/yr).

Max. # Apps/cc & yr - Maximum Number of Applications per crop cycle and per year.

M R I - Minimum Retreatment Interval (days) (at any rate). The minimum interval between pesticide application (days).

R E I - ReEntry Interval - The minimum amount of time that must elapse before workers can reenter a treated area.

PHI/PGI/PSI Use Limitations (May not apply to all Reg #s) - Preharvest/Pregrazing/Preslaughter Interval use limitations pertinent to the application.

Current As Of: - The label data for the listed products in this report is current of this date.

ABBREVIATIONS

AN - As needed

NA - Not Applicable

NS - Not Specified (on label)

(L) - The dosage information provided is from the label in terms of product (e.g., ounces, gallons, or pounds of the product) because there was insufficient information (e.g., missing density, area, or active ingredient percentages) to provide converted dosage information. This report provides active ingredient percentage in the product for the reported chemical for all unconverted label dosage information if this information is available. This active ingredient percentage information is displayed next to the form code abbreviations (e.g., 80% WP).

APPLICATION RATE

cwt : Hundred Weight

nnE-xx : nn times (10 power -xx), for instance, "1.234E-04" is equivalent to ".0001234"

End of Report

For questions and comments please contact the OPP Label Data Team through e-mail.